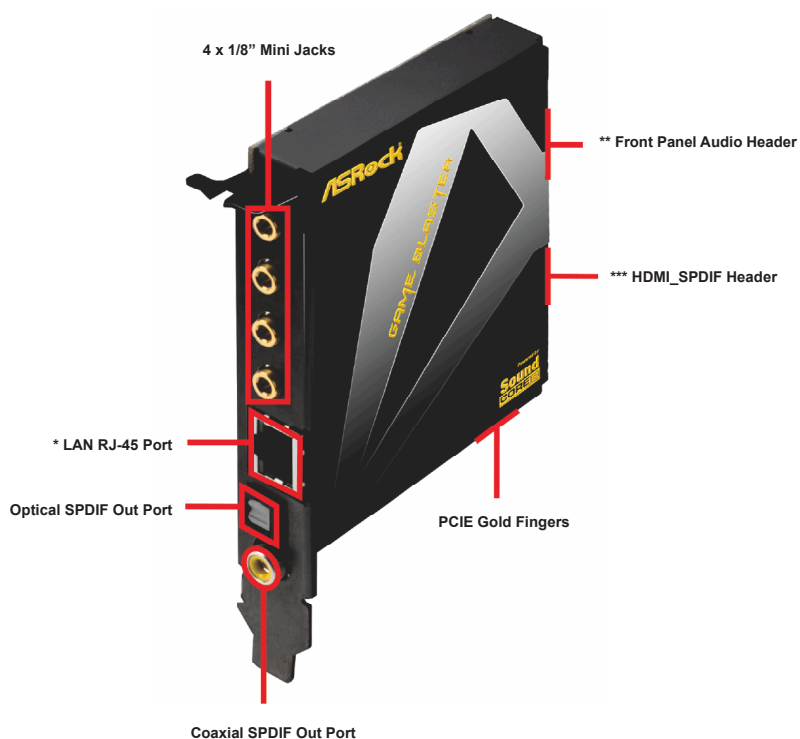

ASRock Game Blaster

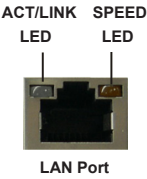
ASRock Game Blaster is packed with the new earthshattering Creative Sound Core3D quad-core sound and voice processor. It is designed to deliver sound and voice with unbeatable quality and accurate 3D positional audio. It also boosts gaming performance, enables dual LAN with teaming function, and allows users to morph their voice into miscellaneous characters which is amusingly funny.



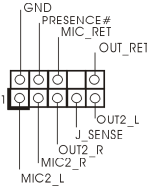
* There are two LEDs next to the LAN port. Please refer to the table below for the LAN port LED indications.

LAN Port LED Indications

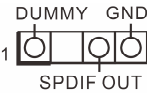
Activity/Link LED		SPEED LED	
Status	Description	Status	Description
Off	No Link	Off	10Mbps connection
Blinking	Data Activity	Green	100Mbps connection
On	Link	Green	1Gbps connection



** Front Panel Audio Header
(9-pin F_AUDIO1)



*** HDMI_SPDIF Header
(3-pin HDMI_SPDIF1)



1 Specifications

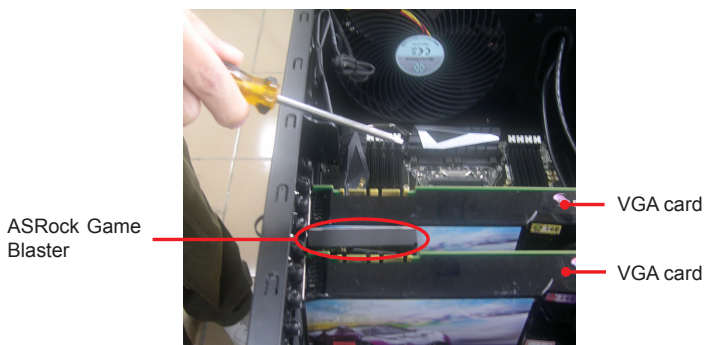
Platform	<ul style="list-style-type: none">- Size: 4.3-in x 3.0-in, 11.0 cm x 7.5 cm- Premium Gold Capacitor design (100% Japan-made high-quality Conductive Polymer Capacitors)
Chipset	<ul style="list-style-type: none">- Creative Sound Core3D quad-core sound and voice processor- Powerful 32-bit 200Mhz QUAD-Processor SIMD DSP- 102dB 24-bit DAC- 101dB 24-bit ADC
Output Features	<ul style="list-style-type: none">- Supports Stereo / 2.1 Speakers / 5.1 Surround / 7.1 Surround-EX / Headphones- Front Panel Headphone Out with built-in amplifier (shared with jack 4)- Coaxial SPDIF Out Port- Optical SPDIF Out Port
Input Features	<ul style="list-style-type: none">- Line in / Microphone in shared with 1/8" mini jack (jack 3)- Front Panel Microphone In
Audio	<ul style="list-style-type: none">- Supports THX TruStudio™ PRO- Supports CrystalVoice- Supports EAX1.0 to EAX5.0- Supports Full Blu-ray Profile 2.0 Audio Decoder- Supports Blu-ray Audio- Supports AES-128 Encryption/Decryption Engine
LAN	<ul style="list-style-type: none">- Broadcom BCM57781- PCIe x1 Gigabit LAN 10/100/1000 Mb/s- Supports Wake-On-LAN- Supports Energy Efficient Ethernet 802.3az- Supports Dual LAN with Teaming function (for motherboards with Broadcom LAN)- Supports PXE
Rear Panel I/O	<p>I/O Panel</p> <ul style="list-style-type: none">- 1 x Coaxial SPDIF Out Port- 1 x Optical SPDIF Out Port- 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)- 4 x 1/8" mini jacks
Connector	<ul style="list-style-type: none">- 1 x HDMI_SPDIF header- 1 x Front panel audio connector
OS	<ul style="list-style-type: none">- Microsoft® Windows® 7 / 7 64-bit / Vista™ / Vista™ 64-bit compliant

2 ASRock Game Blaster Installation Guide



ASRock Game Blaster is a proprietary card instead of a standard PCI-E x1 card. Thus, it is only supported by some of ASRock's motherboards. Please refer to ASRock's website for the motherboard support list.

- Step 1. Insert the ASRock Game Blaster into the designated PCIE slot on your motherboard. Please refer to the "Expansion Slots" section of your motherboard's user manual or quick installation guide for information of which PCIE slot to insert the ASRock Game Blaster.
- Step 2. In order to avoid mechanical conflict, please fasten your VGA cards and ASRock Game Blaster to the chassis with screws.



- Step 3. Follow the step by step driver setup directions. Please make sure to use **Windows® Vista™ 32-bit / 64-bit** or **Windows® 7 32-bit / 64-bit**.



ASRock Game Blaster is not supported under Windows® XP / XP 64-bit.

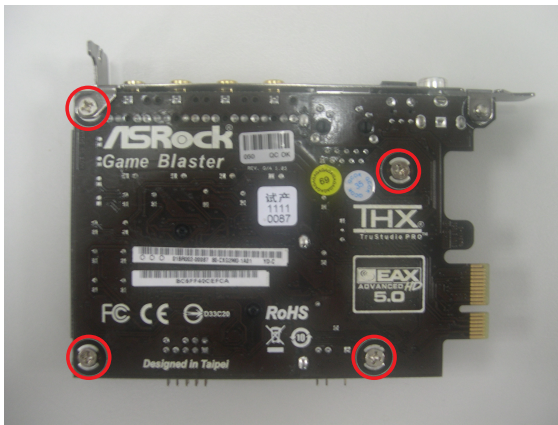


- Step3. Restart your computer for ASRock Game Blaster to take effect.

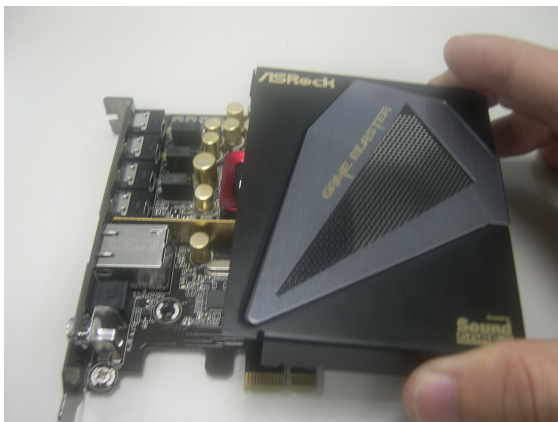


Some VGA cards violate the PCI-E spec and may result in mechanical conflict with ASRock Game Blaster. In this case, we suggest you to follow the steps below to uninstall the chassis of the ASRock Game Blaster to fix the conflict.

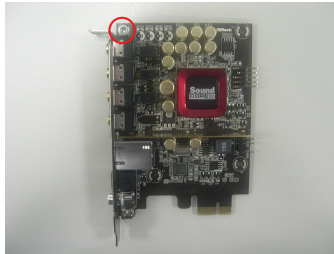
- Step 1. Unscrew the four screws which hold the chassis and ASRock Game Blaster together.



- Step 2. Remove the chassis of the ASRock Game Blaster.



Step 3. Refasten the screw on the upper left corner and secure it with the screw nut which is bundled with ASRock Game Blaster.



3 ASRock Game Blaster Configuration

This section explains how to configure your ASRock Game Blaster.

3.1 THX TRUSTUDIO PRO



THX TruStudio Pro

Click the power button on the left to activate or deactivate.

Surround

Control the level of audio immersion in music, movies and games.

Crystalizer

Enhance music and movies to make them sound livelier.

Bass

Control the desired level of bass.

Crossover Frequency

Redirect all frequencies below this value to the optimal speaker for better bass response.

Smart Volume

Adjust the loudness of your audio playback automatically to minimize sudden volume changes.

Dialog Plus

Enhance the voices in movies for clearer dialog.

3.2 CRYSTALVOICE



Select a recording device

Mic Volume

Control the level of mic volume.

Mic Boost

Control the level of mic boost.

CrystalVoice

Click the power button on the left to activate or deactivate.

FX

Morph your voice into different characters and accents.

Smart Volume

Be heard clearly without having to shout or whisper.

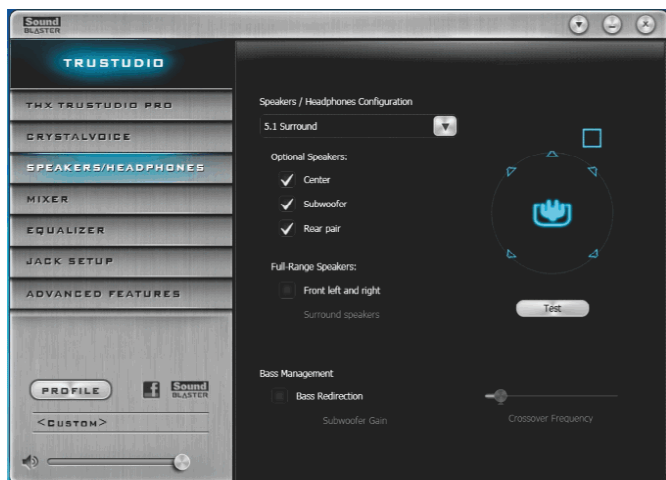
Noise Reduction

Eliminate unwanted background noise in your conversation.

Acoustic Echo Cancellation

Eliminate echoes that interfere with your conversation.

3.3 SPEAKERS/HEADPHONES



Speakers / Headphones Configuration

Select the device connected.

Optional Speakers:

Center

Enable or disable center speaker.

Subwoofer

Enable or disable subwoofer.

Rear pair

Enable or disable rear pair speakers.



If there are both speakers and front headphones connected, please select the device you desire to use as audio output.

Full-Range Speakers:

Select full-range speakers.

Front left and right

Surround speakers

Bass Management

Bass Redirection

Enable or disable bass redirection.

Subwoofer Gain

Enable or disable subwoofer gain.

Crossover Frequency

Redirect all frequencies below this value to the optimal speaker for better bass response.

3.4 MIXER



Playback

Speakers

Control the level of speakers playback.

SPDIF-Out

Control the level of SPDIF-Out playback.

Balance

Control the level of various speaker's balance.

REC

Input Device

Select input device.

What U Hear

Control the level of playback redirect.

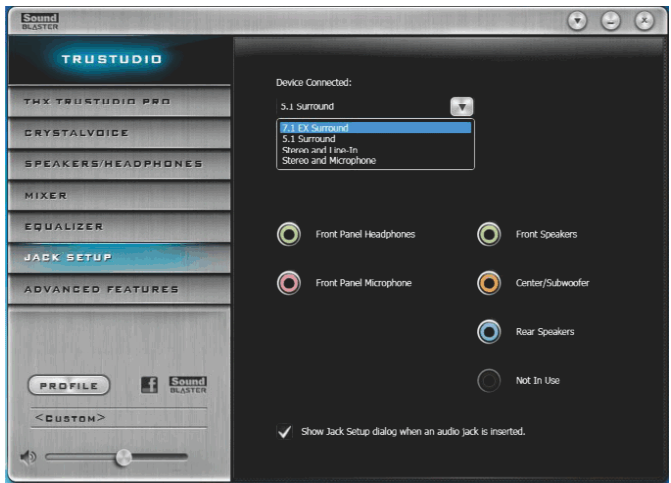
3.5 EQUALIZER



EQ

Choose from Flat, Acoustic, Classical, Country, Dance, Jazz, New Age, Pop, Rock and Vocal.

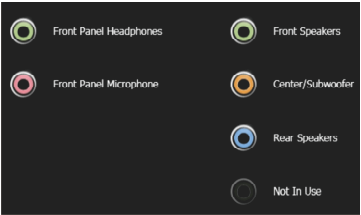
3.6 JACK SETUP



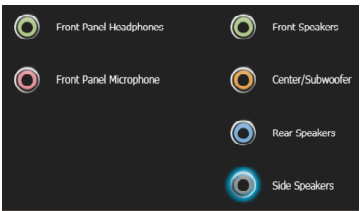
Device Connected:

Select the device connected.

5.1 Surround

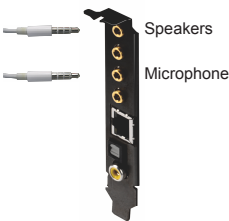
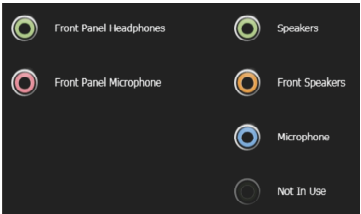


7.1 EX Surround

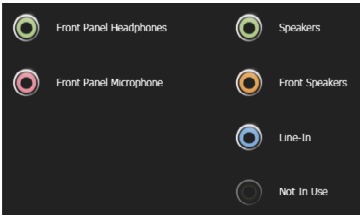


Front panel headphones is shared with side speakers.

Stereo and Microphone



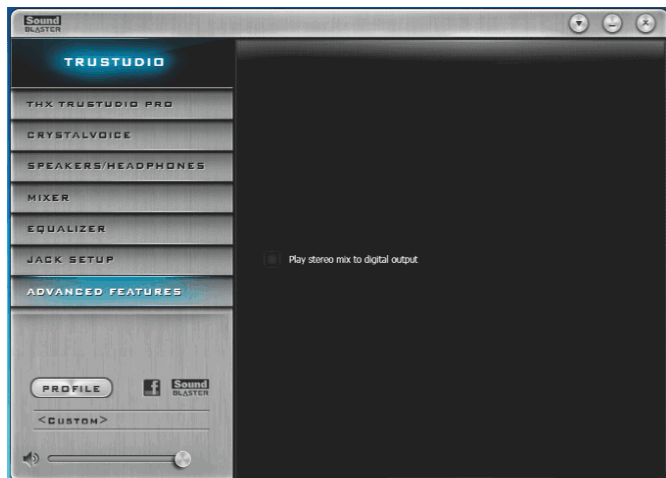
Stereo and Line-In



Show Jack Setup dialog when an audio jack is inserted

Enable or disable Jack Setup dialog.

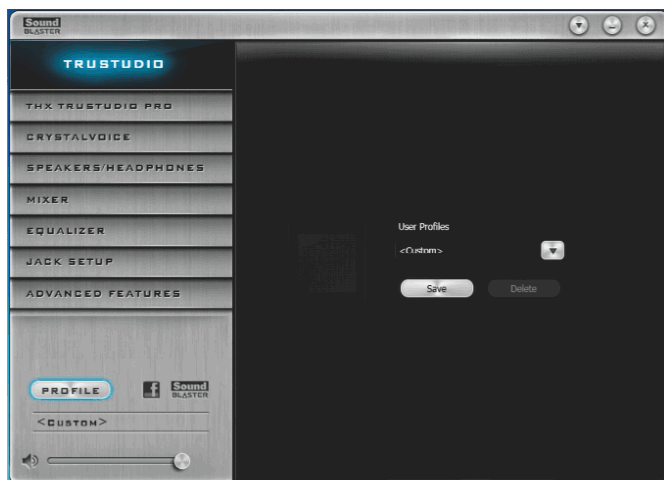
3.7 ADVANCED FEATURES



Play stereo mix to digital output

Enable or disable play stereo mix to digital output.

3.8 PROFILE



User Profiles

You can save, load or delete your user profiles. The default is <Custom>.

Note

1. If you want to hear your own voice through the microphone (Playback mode). You can enable it by using ASRock Game Blaster's **configuration Utility** → **CRYSTALVOICE** → **Test**.



OR you can change your settings to "playback mode" by checking the "Listen to this device" box in **Control panel** → **Sound** → **Recording** → **Microphone Properties** → **Listen**.



2. If you want to change your playback device to a SPDIF-Out device, go into **Control panel** → **Sound** → **Playback**, then right click on **SPDIF-Out** and check the "Set as Default Device" option.

